

The Division of Drinking Water and Environmental Management

Drinking Water Program Overview

California Department of Public Health



Drinking Water Systems



Drinking Water Program Activities

- **Water Systems - Inspections, Permits, and Enforcement**
- **Water Treatment Technology Evaluation**
- **Recycled Water Program**
- **Residential Treatment Device Certification**
- **Regulations Development**
- **Local Primacy Agency oversight**
- **Small Water System Technical Assistance**
- **Water System Security**
- **Operator Certification**

Public Water Systems in California

| Type of System | Approximate # |
|---|---------------|
| COMMUNITY | |
| Large (> 3,300 people) | 1,000 |
| Small (>15 connections, < 3,300 people) | 2,100 |
| NONCOMMUNITY | |
| Nontransient | 1,500 |
| Transient | 3,300 |
| TOTAL | 7,900 |

| POPULATION SERVED | Population | % |
|--------------------|------------|----|
| LWS (9.3% of PWS) | 37 m | 98 |
| SWS (90.7% of PWS) | 400,000 | 1 |

** Numbers are approximate*

Water System Inspections- Mandatory Elements



Treatment

***Finished Water
Storage***

***Monitoring,
reporting, & data
verification***

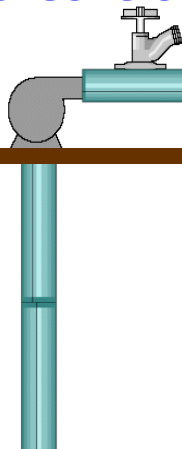
***Pumps, Pump
Facilities, & Controls***



***Distribution
System***



Town Hall



Source



***Water System
Management &
Operations***



***Operator Compliance
with State Requirements***

CHALLENGES

Inadequately treated surface water

Isolated small systems

Nitrate and/or Arsenic

Water shortages

Mountain Areas—Hard Rock Wells Capacity Problems

Central Valley/Desert
Areas—High Nitrate,
Arsenic, Chromium, TCP,
DBCP, Uranium

Perchlorate Contamination

Recycled Water Projects

Desalination

Extremely Impaired Groundwater

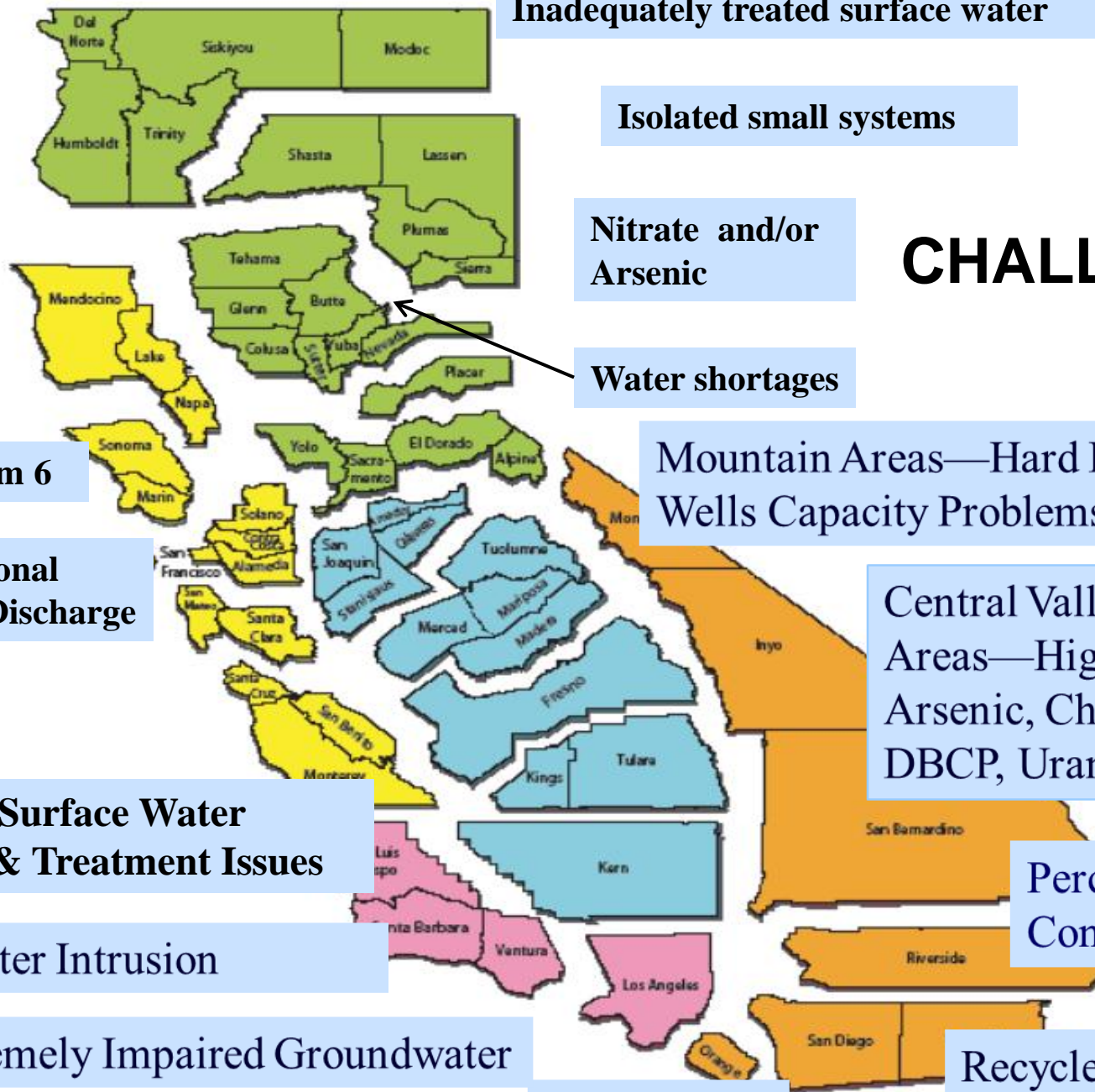
International Water Supplies

Sea Water Intrusion

Imported Surface Water Capacity & Treatment Issues

Sac Regional Sewage Discharge

Chromium 6



Drinking Water Program Funding



- Drinking Water Program is substantially funded by fees charged to water systems
- Large Water Systems are billed hourly for the time spent by CDPH staff
- Small Water System are charged flat fees
 - Fee based on # of service connections, or population
- Additional funding provided by
 - US EPA
 - Special Funds
 - Funding programs
 - General Fund

Small Water Systems

- Approx. 2,000 SWS under CDPH direct jurisdiction
- Approx. 4,900 SWS delegated to county health programs
- Serve small communities, schools or businesses, or transient populations (e.g. restaurants, ski resorts)
- Most small community systems are low-income and isolated
 - Limited access to skilled operators, managers
 - Not enough money to operate or improve system, lack financial background to navigate State funding process
 - Consolidation is the favored solution
 - Isolation makes consolidation very expensive (pipe extensions cost \$500,000 - \$1 million per mile)

Water System Infrastructure

| FUNDING NEEDS | | |
|--|--------------------------|---------------------------|
| Category | EPA 2007 Needs Survey | CA DWSRF Priority List |
| Total Need | \$38 B | \$12.5 B |
| Regulatory Need (Treatment to comply with Primary MCLs) | \$7.5 B | \$1.8 B |
| FUNDING SOURCES | | |
| Source | Cumulative to Date | Annual Amount |
| DWSRF - Federal | \$1.13 B | \$86 M |
| Prop 50 | \$409 M | -- |
| Prop 84 (Small Systems) | \$165 M | -- |
| ARRA | \$149 M | -- |
| Loan Repayments/Interest | \$162 M | \$38 M |
| Revenue Bonds (proposed) | -- | \$17 M |

Drinking Water Funding Programs

- **Safe Drinking Water State Revolving Fund**
\$86.8 million 2011-12; plus \$38 million from loan repayments
- **Prop 50 of 2002 (\$485 million)**
(This program is no longer accepting funding applications
~ 40 applications still awaiting to be awarded)
- **Prop 84 of 2005 (\$300 million)**
(Includes specific funds for regional projects, small water systems and emergency events)
- **ARRA (\$160 million)**
(American Recovery and Reinvestment Act, a.k.a.
“Economic Stimulus” – 51 Projects – fully committed)

Conclusion

Thank you for your interest

- Division website:

<http://www.cdph.ca.gov/programs/Pages/DDWEM.aspx>

